Approved For Release 2002/07/10: CIA-RDP78B04747A000900050068-4 STATINTL 26 October 1960 STATINTL MEMORANDUM FOR THE RECORD Terminal Output Devices for Stereocomparators STAT Assumptions - These <u>recommendations</u> will be based on the hypothesis that the additional stereocomparators currently being STAT acquired will be equipped to record travel in the X and Y directions by generating pulse trains and counting these pulses with electronic accumulations or counters of the PIGMI or Telecordex type. When this is the case, the terminal output devices, that provide for transfer of accumulator readings to hard copy and/or machine readable form, (punched cards, punched tape, magnetic tape, etc.) can be considered almost independently of the comparator and accumulator, since the techniques of going from accumulators to the various types of output devices are quite standardized and routine. This situation is in considerable contrast to that which obtains for the TA3 currently in use, and in which the terminal output device is in very intimate association with the shaft position indicators. Various Terminal Devices - Under the present circumstances, then, it would seem advisable to choose a terminal output device on the basis of its compatibility with present or future computing systems for which it will be providing input. The various output devices will be discussed from this viewpoint. STAT Punched card output. The 80 column punched card is undoubtedly the most nearly universal machine readable language and it can be assumed that any new computing system will include punched card input and output. However, it | plus the price of the would cost approximately STATINTL equipment to add card input and output to associated \_ STAT capability. This might indeed be very the present desirable on the basis of over-all considerations, but is STAT probably not justified just to tie in the three STAT (b) Punched type STAT Five channel code (teletype) - This code is not STAT

late by program on a character-by-character basis any five or six channel code. This programmed translation is too slow (2 characters per second) to be used other

STAT

STAT

however, read and trans-

read directly

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			than for very capability is be present, we machine.	s not common	to all co	omputers a	and might n	ot .
		(2)	Flexowriter vice has the code that mig be relatively	drawback thight be used	at modific by some fo	eation to	puter would	
		(3)	Separate tape ous tape pund any five to e wiring of int would even all any future co cost of this	ches are noveleght channed terchangeable thow easy in computer as of	vavailable el tape coo le plug-in nterchange listination	that per de accord: boards. between	mit punchi ing to the Such a dev	ice STAT
STATINTL			would be about and probably		as for a r	_	Flexowriter ne cost of	•
STATINTL				teletype out	put.	_ <b>&amp;600</b> *6 63		STATINTL
STATINTL	interchan	ngeable o: out der	mendations - le code matrice r equivalent, rice. If nece i copy for obs	es, such as will providessary, a ty	manufactui le the most pewr <u>iter c</u>	red conomic	tape punch valued and verified with the	with
. <b>-</b>	with the cumulator coding me	tape ( 8 - I: trice: e cost	nendations in output device f, for some re s cannot be as t there remain	recommended eason, the t ssociated wi	above, 1. ape punch th the	e., if the with interest	erchangeabl rators at a	ac- e STAT
STAT	(a)	of pi	le-in to a car roviding card t be approxima rs, tape punch	capability ately equal	for the proto to the con	resent con st of pro	nputing fac viding accu	ility
STAT								
STATINTL	(b)	manu:	ne filal tape-to-te facturer of su organization	ich equipmer	er should l		sed from a l	 STAT STATINTL
<b>Y</b>								
					131	· .	,	OT 4 TINITI
STATINTL	PIC/TISD/	TIB					`	STATINTL
		al - (	Contract File Thief, TISD Thief, TISD/TI	LB				

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